

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-2 (Canceled).

Claim 3 (Currently Amended): A lithium secondary battery, which comprises an electrode composition as recited in claim 1 battery comprising an electrode composition and an electrolyte solution, wherein

the electrode composition contains a poly(vinylidene fluoride) homopolymer being obtained by an emulsion polymerization process, as a binder, and  
the electrolyte solution contains a lithium fluoroborate-based salt as an electrolyte and  
 $\gamma$ -butyrolactone as a solvent.

Claim 4 (Canceled).

Claim 5 (Currently Amended): The lithium secondary battery according to claim 3 , wherein a lithium-containing composite oxide is contained as a cathode active substance in the electrode composition, the lithium-containing composite oxide comprises comprising lithium cobalt oxide and a subordinate component element M, where M is a transition or typical metal element exclusive of Li and Co, in an amount of M is 0.001 to 2 at% relative to cobalt in the lithium cobalt oxide is contained as a cathode active substance, and the concentration of  $\gamma$ -butyrolactone in the solvent is 60 to 95% by volume of  $\gamma$ -butyrolactone is contained as an electrolyte solvent.

Claim 6 (Original): The lithium secondary battery according to claim 5, wherein said subordinate component element is one or two or more of Ti, Nb, Sn and Mg.

Claim 7 (Currently Amended): A lithium secondary battery, wherein:

a cathode, an anode and an electrolyte solution are encased in a housing,

a lithium-containing composite oxide comprising lithium cobalt oxide is contained as

a cathode active substance in the cathode, the lithium-containing composite oxide comprises

lithium cobalt oxide and a subordinate component element M, where M is a transition or

typical metal element exclusive of Li and Co Nb, in an amount of the amount of Nb is 0.001

to 2 at% relative to cobalt in the lithium cobalt oxide is contained as a cathode active

substance,

the electrolyte solution contains  $\gamma$ -butyrolactone as a solvent,

the concentration of  $\gamma$ -butyrolactone in the solvent is 60 to 95% by volume of  $\gamma$ -

butyrolactone is contained as an electrolyte solvent, and

said housing has a thickness of 0.3 mm or smaller.

Claims 8-13 (Canceled).

Claim 14 (Previously Presented): The lithium secondary battery according to claim 7,  
wherein the housing has a thickness of 0.15 mm or smaller.

Claims 15-16 (Canceled).

DISCUSSION OF THE AMENDMENT

Claims 1, 2, 4, 8-13 and 15-16 have been canceled.

Claim 3 has been amended into independent form, and further amended as supported in the specification at page 11, lines 1 and 15. Claims 5 and 7 have been amended to be consistent with the amendment to Claim 3. In addition, Claim 7 has been amended by limiting the subordinate component element to Nb, as supported by Claim 8.

No new matter is believed to have been added by the above amendment. Claims 3, 5-7, and 14 are now pending in the application.